

SR 520 Bridge Replacement and HOV Program

Paula Hammond, P.E.
Secretary

David L. Dye, P.E.
Deputy Secretary

Steve Reinmuth
Chief of Staff

Julie Meredith, P.E.
SR 520 Program Director

Joint Transportation Committee
October 12, 2010

Presentation Overview

- ESSB 6392 update
 - Design refinement and transit connections effort
 - Transit planning and financing effort
 - Arboretum mitigation plan

- SR 520 program next steps



SR 520 Program Description

The SR 520 Bridge Replacement and HOV Program will replace the Portage Bay and Evergreen Point bridges and improve the existing roadway between I-5 in Seattle and SR 202 on the Eastside.

The SR 520 Bridge Replacement and HOV Program includes four projects:

- I-5 to Medina: Bridge Replacement and HOV Project** – I-5 to the vicinity of Evergreen Point Road.
- Medina to SR 202: Eastside Transit and HOV Project** – Evergreen Point Road to SR 202.
- Lake Washington Congestion Management Project** – Traffic management and tolling from I-5 to I-405.
- Pontoon Construction Project** – pontoons for catastrophic failure planning.



Program area map.

I-5 to Medina: Bridge Replacement and HOV Project

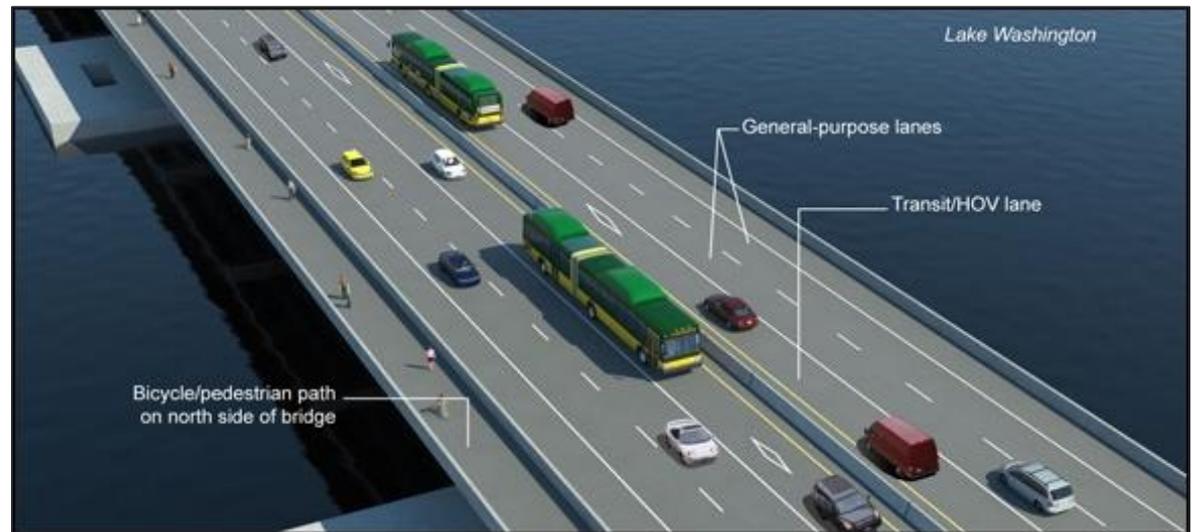
April 2010 – Announced Preferred Alternative.

July-Dec 2010 – ESSB 6392 Workgroup.

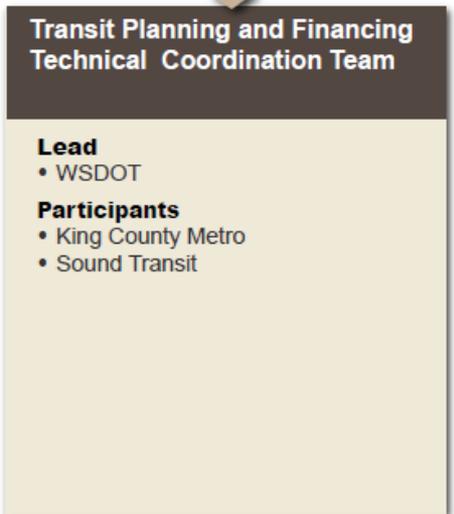
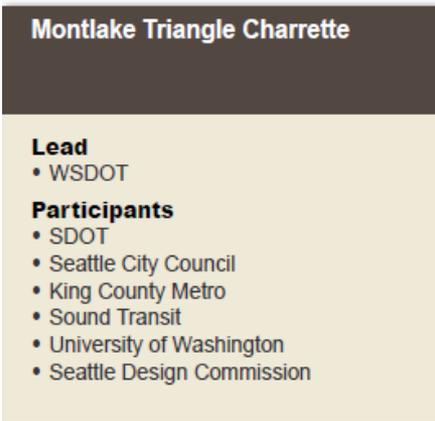
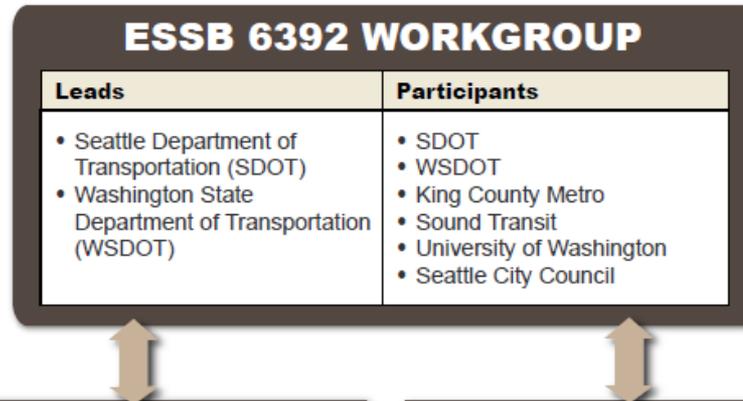
Spring 2011 – Publish final environmental impact statement.

Spring 2011 – Award contract for floating bridge and landings.

2014 – Open new floating bridge to drivers.



ESSB 6392 Workgroup Overview



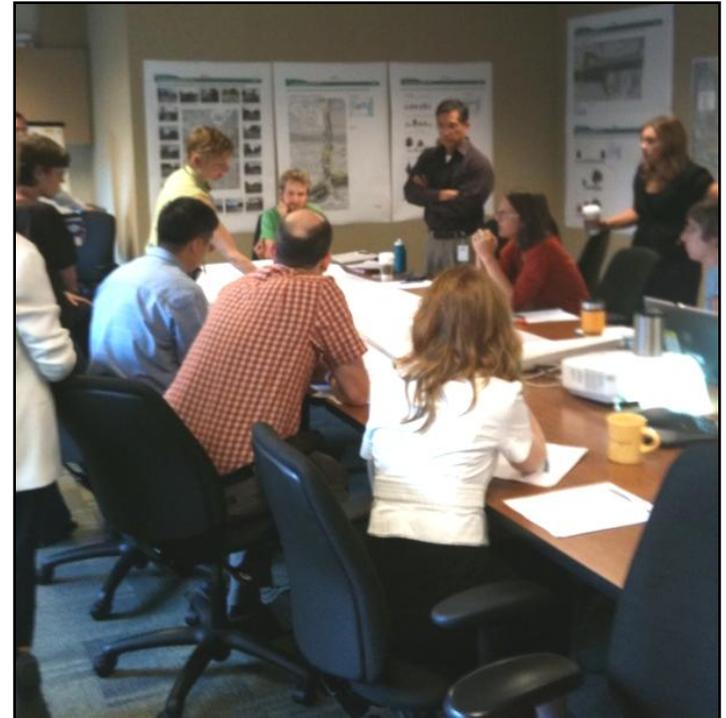
ESSB 6392 Participants

- **ESSB Workgroup**

- King County Metro
- Seattle Department of Transportation
- Seattle City Council
- Sound Transit
- University of Washington
- WSDOT

- **Technical Coordination Team**

- King County Metro
- Seattle Department of Transportation
- Seattle City Council
- Seattle Mayor's Office
- Seattle Bicycle Advisory Board
- Seattle Pedestrian Advisory Board
- Seattle Design Commission
- Sound Transit
- University of Washington
- WSDOT



Public Engagement Opportunities

- **Workgroup meetings and public information sessions**
 - July 22
 - August 19
 - September 9
 - December - TBD
- **Seattle City Council Special Committees on SR 520**
 - August 3
 - September 13
- **Public comment periods**
 - Technical Coordination Team work plan (June 26 – July 8)
 - Workgroup's draft recommendations (Sept 13 – 24)
- **Web:** www.wsdot.wa.gov/Projects/SR520Bridge/6392workgroup.htm
- **Workgroup e-mail:** sr520techworkgroup@wsdot.wa.gov

Public Engagement Opportunities

- **Organizational briefings**
 - Cascade Bicycle Club
 - Cyclists of Greater Seattle
 - Green Lake Community Council
 - Laurelhurst Community Council
 - Montlake Community Club
 - Portage Bay/Roanoke Park Community Council
 - Professional Business Club
 - Seattle Bicycle Advisory Board
 - Seattle Pedestrian Advisory Board
 - St. Demetrios Church
 - Sierra Club
 - Transportation Choices Coalition
 - University District Rotary Club
 - View Ridge Community Club
 - Wallingford Community Council
- **Community fairs and festivals**
- **Section 106 consultation**



Public comments

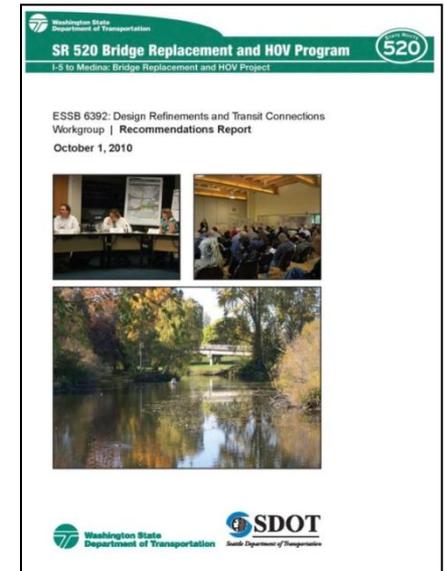
- Transit connections
- Bicycle/pedestrian connectivity
- Second bascule bridge
- Traffic in the Arboretum
- Tolling on Lake Washington Boulevard
- Financing
- Corridor management planning
- SR 520 west approach bridge width over Foster Island
- Portage Bay Bridge width and planted median



ESSB 6392 Workgroup

Recommendations Submitted October 1

- Arboretum traffic calming
- Arboretum traffic management
- Neighborhood traffic management
- Bascule bridge phasing
- Lane channelization
- Bus stop locations
- Bicycle/pedestrian routes
- Urban design and streetscape
- Noise reduction strategies
- Corridor management plan
- Light rail accommodation
- Roadway operations
- Transit/HOV lanes
- Montlake Triangle



Montlake Triangle Charrette

- **Purpose**
 - Evaluate opportunities to enhance pedestrian and bicycle connectivity.
 - Maintain the schedules for the Sound Transit U-Link Station and Rainier Vista projects.
 - Identify conceptual design options.

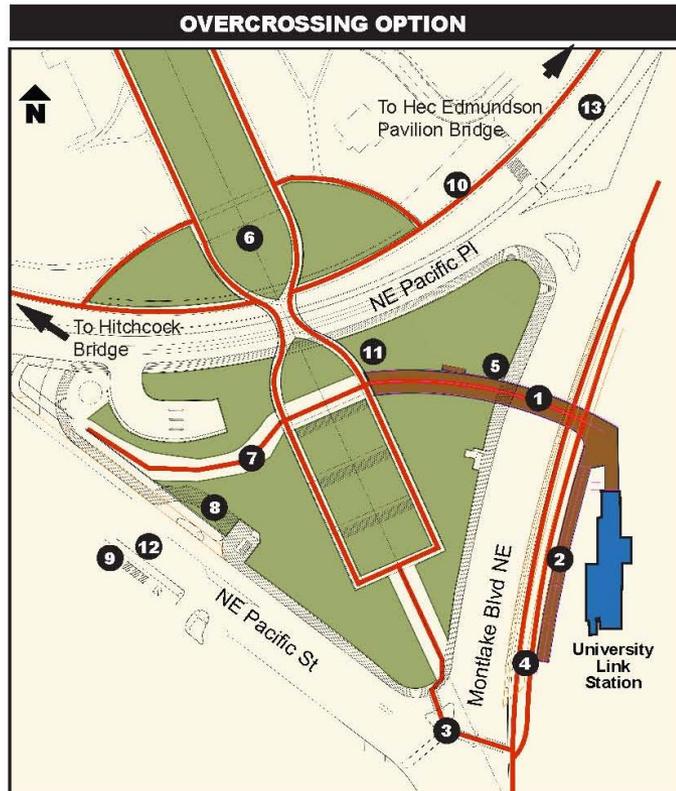


- **Participants:**
 - WSDOT
 - City of Seattle (SDOT)
 - Seattle Design Commission
 - University of Washington
 - King County Metro
 - Sound Transit

Montlake Triangle Project

Montlake Triangle Charrette: Moving Forward

October 2010



LEGEND:

-  Bike/ped bridge
-  Rainier Vista landscape area
-  Bike/ped path

Elements included in term sheet by definition

Led by Sound Transit

- 1 30- to 34-foot-wide bridge to the Montlake Triangle from the University Link Station.
- 2 Bicycle access ramp west of the Station.
- 3 At-grade enhancements at NE Pacific Street and Montlake Boulevard NE intersections.
- 4 Side-by-side paths for bicycles and pedestrians on the east side of Montlake Boulevard NE.
- 5 Stairs and elevators to Montlake Boulevard.

Led by University of Washington

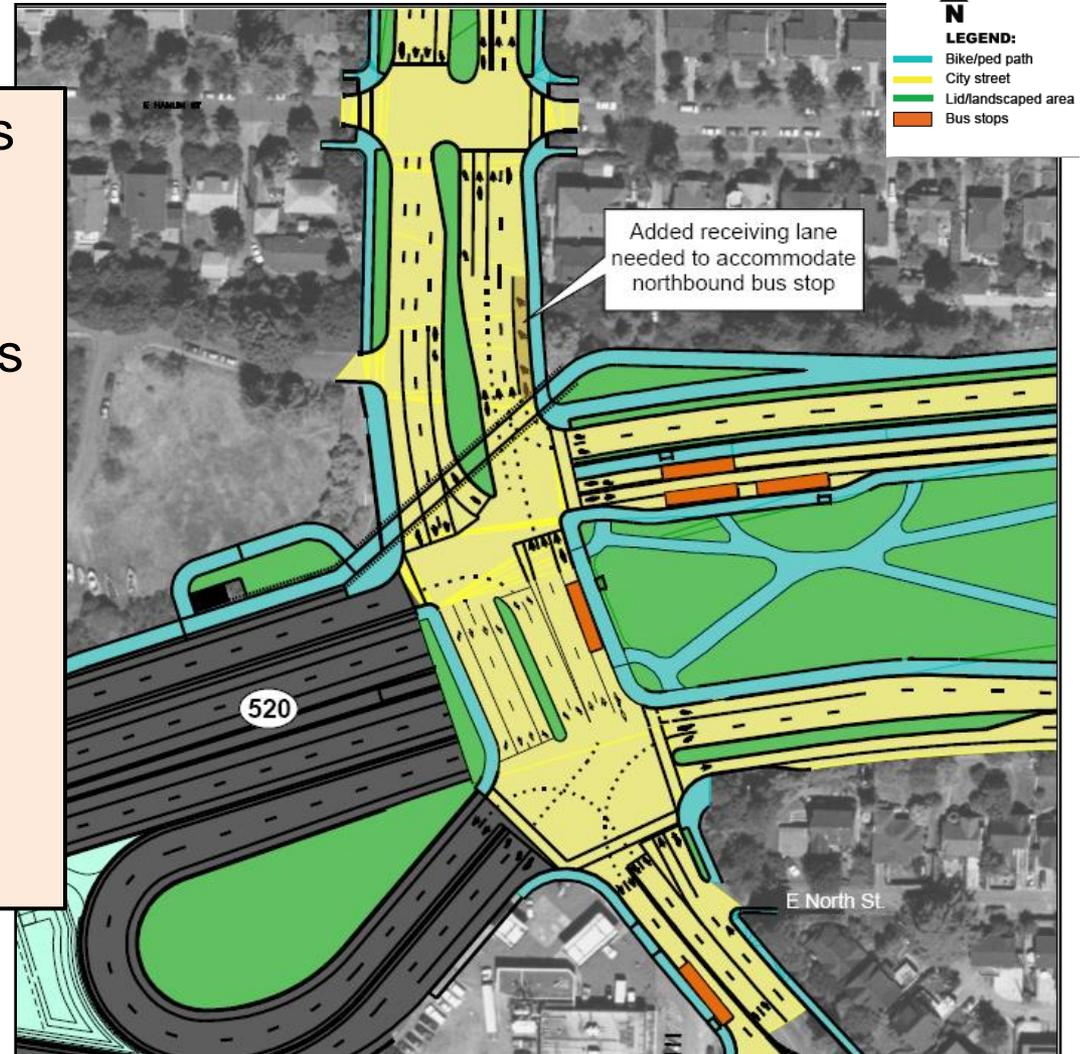
- 6 Implementation of Rainier Vista design, including lowered Pacific Place and expansion of bus layover space.
- 7 Connection to NE Pacific Street bus stop.
- 8 Relocated and improved bus stop.
- 10 Widened Burke-Gilman Trail between Hec Edmundson Pavilion Bridge and the Hitchcock Bridge.
- 11 Enhanced pedestrian/bicycle connections between bridge and Burke-Gilman trail.

Led by SDOT

- 9 Improved bus stop.
- 12 Additional Pacific Street crosswalk.
- 13 Modified Montlake Boulevard to NE Pacific Place right turn, including pedestrian/bicycle connection to Burke-Gilman Trail crossing NE Pacific Place.

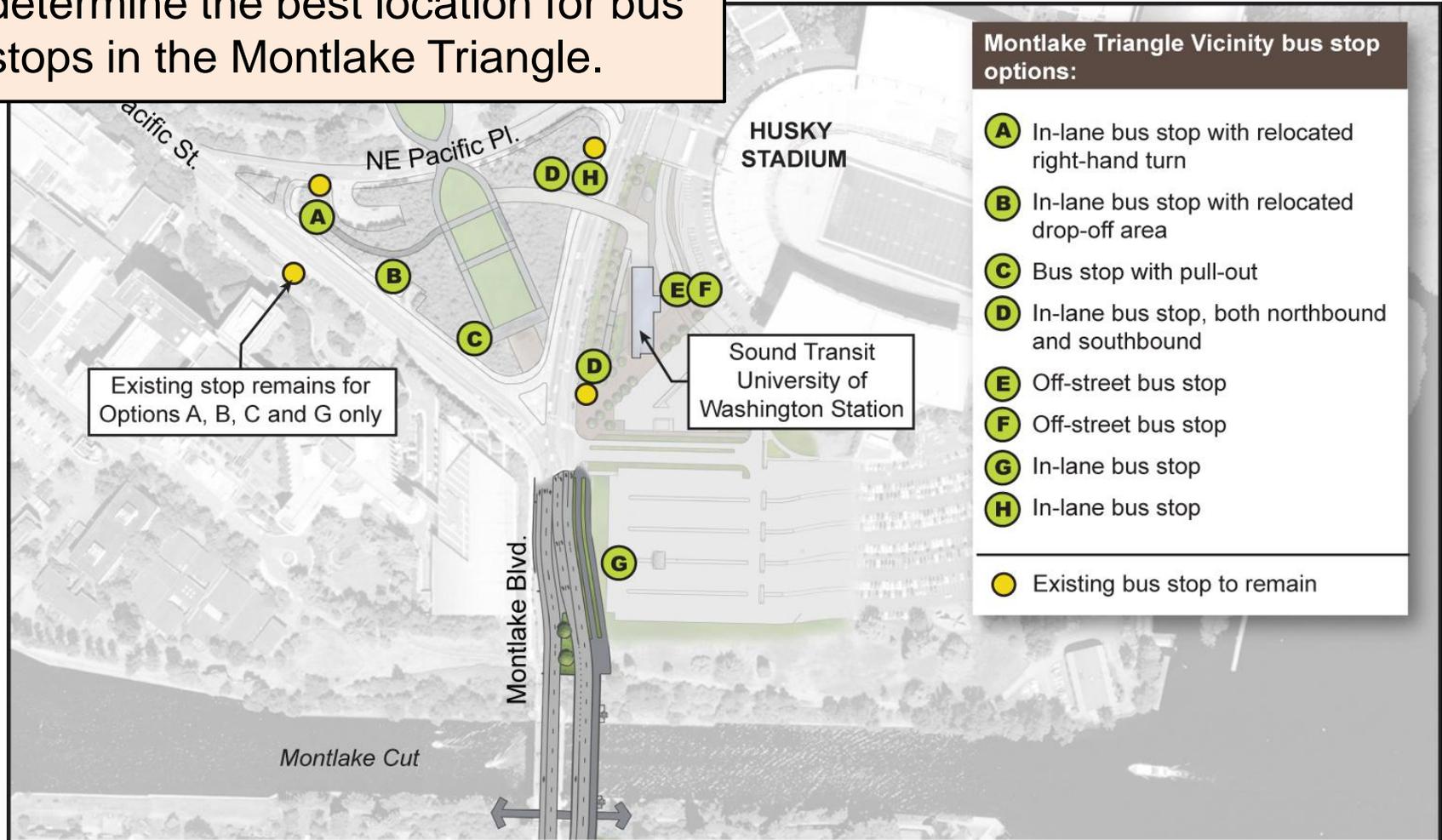
Bus Stop Locations and Connectivity: Montlake Interchange

- Locate northbound local bus stop on Montlake Blvd near regional bus stops on lid.
- Locate southbound local bus stop near Hop-In Grocery Store.
- Move regional bus stops on lid closer to Montlake Blvd.
- Install bus pullout in the eastbound transit/HOV direct-access lane.



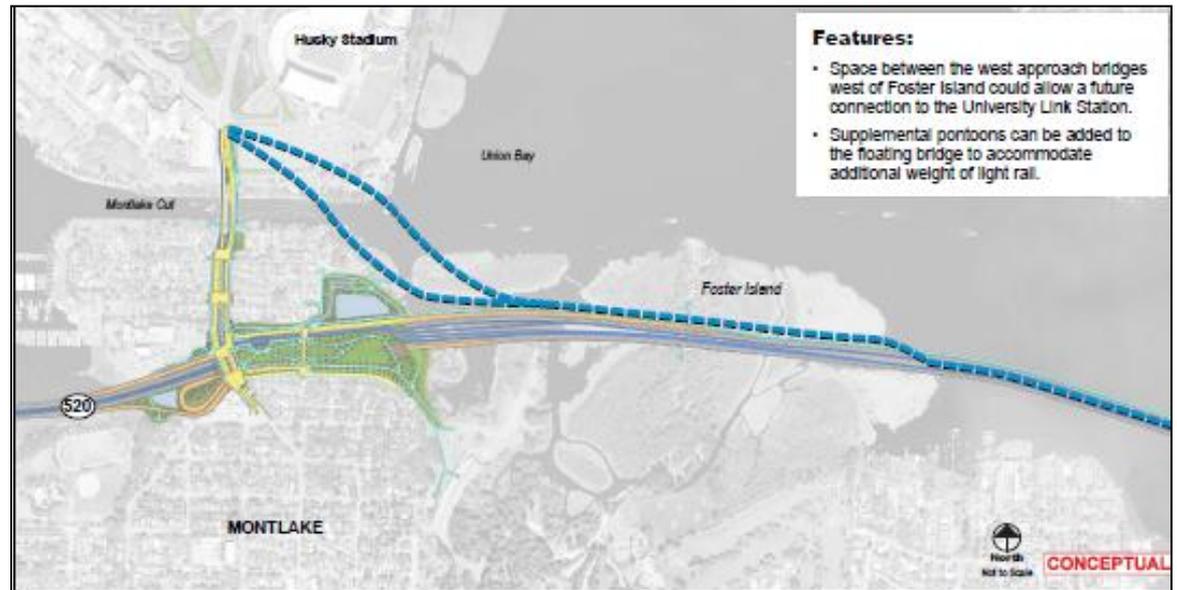
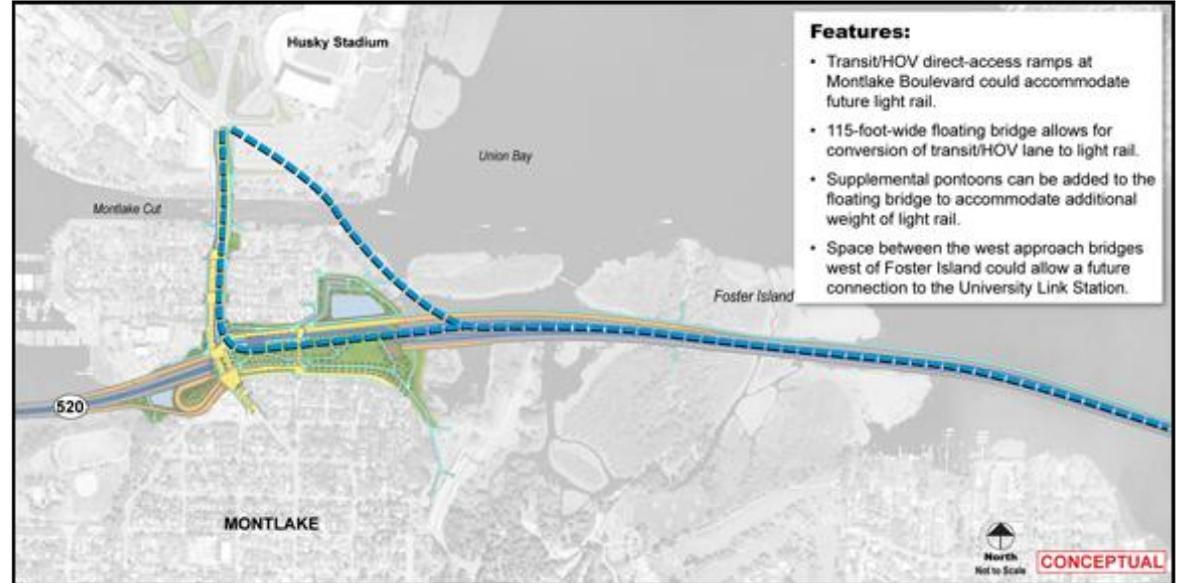
Bus Stop Locations and Connectivity: Montlake Triangle Vicinity

- Conduct further analyses to determine the best location for bus stops in the Montlake Triangle.



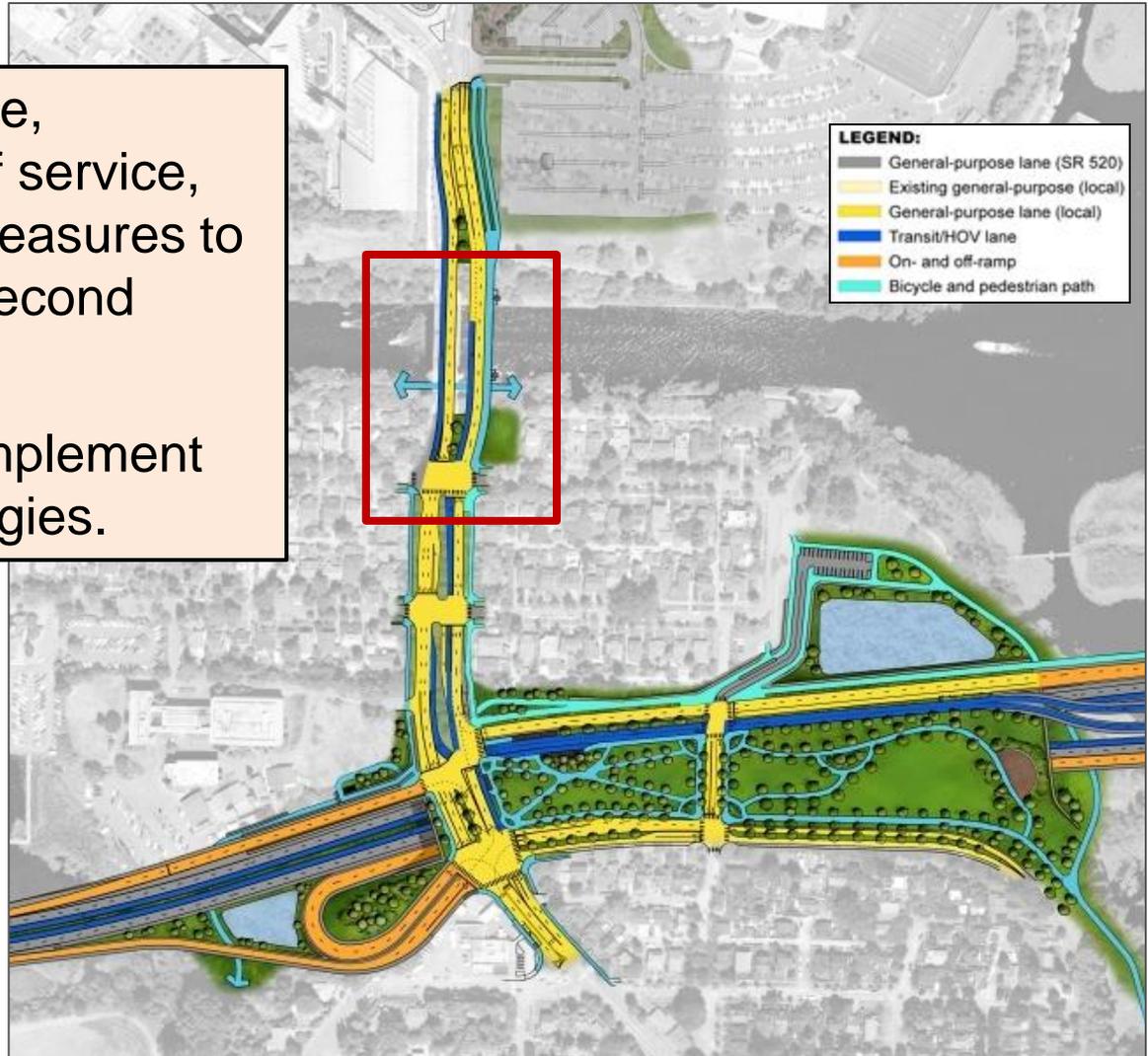
Light Rail Accommodation

- Maintain the preferred alternative design that supports future conversion to light rail, including:
 - Specific design features for the floating bridge and approaches.
 - Minimal need for reconstruction of the highway infrastructure.



Montlake Second Bascule Bridge Phasing

- Establish transit travel time, bicycle/pedestrian level of service, and SR 520 operations measures to trigger construction of a second bascule bridge.
- Identify opportunities to implement traffic management strategies.



Bicycle and Pedestrian Routes

- Implement the recommended bicycle and pedestrian network included in the preferred alternative.
- Evaluate additional regional and local connections.
- Identify bicycle and pedestrian amenities that may be added to the network as design develops.



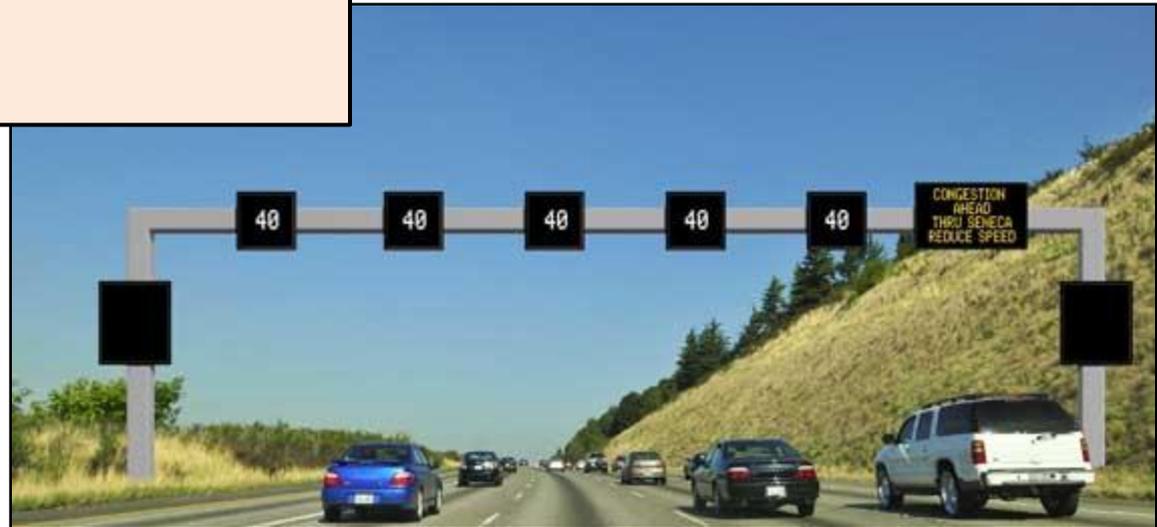
Arboretum Planning: Traffic Calming and Pedestrian Improvements

- Finalize SDOT-recommended traffic calming plan including:
 - Marked crosswalks
 - Radar speed signs
 - Raised crosswalk
 - Speed cushions
 - Landscaped curb bulbs
 - Sign improvements
 - Pedestrian-activated signal



Arboretum Planning: Traffic Management

- Continue to evaluate traffic management options including:
 - Signal timing modifications
 - Turning restrictions
 - Time-based restrictions
 - Signing revisions
 - Tolling



Neighborhood Traffic Management

- Evaluate the potential for traffic management on local streets.
- Develop an intelligent transportation systems (ITS) plan.
- Establish a schedule for ownership and implementation.



Corridor Management Plan

- Implement WSDOT strategies for SR 520 corridor management, including:
 - Continuous transit/HOV lanes from I-5 to SR 202
 - Variable tolling
 - Traffic demand management strategies
 - Traffic management applications
 - Incident response services
 - Enforcement



Urban Design and Streetscape

- Collaborate with WSDOT, City of Seattle, Seattle Design Commission, UW Architectural Commission, ABGC, Seattle Bicycle Advisory Board, Seattle Pedestrian Advisory Board, and neighborhoods to:
 - Establish goals
 - Expand and refine an aesthetic vision
 - Suggest design treatments for urban design and streetscapes within the project area



Transit Planning and Financing Workgroup

- **Key activities:**

- Participate in ongoing transit coordination meetings.
- Present draft recommendations to Workgroup in December.
- Provide public comment period in December.
- Submit final report by Jan. 1, 2011.

- **Key members:**

- WSDOT
- Sound Transit
- King County Metro

Arboretum Mitigation Planning Effort

- **Key activities:**

- Ongoing participation in Arboretum Botanical Garden Committee (ABGC) meetings.
- WSDOT and SDOT agreement on traffic calming strategies; SDOT to lead effort (with WSDOT participation) for traffic management plans.
- WSDOT developing park and natural environment mitigation plan.
 - Draft for ABGC review in November.
 - Final due to Gov. Gregoire and Legislature by Dec. 31, 2010.
- Mitigation plan will be a component of final environmental impact statement (FEIS) published in spring 2011.

- **Key participants:**

- Arboretum Botanical Garden Committee
 - Arboretum Foundation
 - University of Washington
 - City of Seattle (Parks Dept)
 - Citizen appointees from Seattle Mayor and Gov's office
- Seattle Department of Transportation
- Seattle City Council staff

Program Funding

State funding		\$0.55 B
Transportation Partnership Account	\$0.50 B	
Nickel Package	\$0.05 B	
SR 520 Account (tolling and future federal funding)		\$1.60 B
Federal funds		\$0.22 B
Total funding		\$2.37 B
Program cost		\$4.65 B
Less sales tax deferral	\$0.30 B	
Program cost after sales tax deferral		\$4.35 B
Total unfunded need		\$1.98 B

Next Steps

- **I-5 to Medina Project**

- Complete ESSB 6392 activities/reports by end of 2010.
- Award contract for floating bridge and landings in spring 2011.
- Publish final environmental impact statement in spring 2011.
- Secure additional funding.

- **Eastside Transit and HOV Project**

- Award design-build contract in October 2010.
- Begin construction in early 2011.

- **Pontoon Project**

- Continue coordination with the Quinault Indian Nation.
- Complete final environmental impact statement in December 2010.
- Begin construction in spring 2011.

Contact Information

SR 520 Program

- Julie Meredith, Program director: Meredjl@wsdot.wa.gov
- SR 520 website: www.wsdot.wa.gov/projects/SR520bridge

ESSB 6392 Workgroup

- WSDOT contact information:
E-mail: sr520techworkgroup@wsdot.wa.gov
- SDOT contact information:
Stephanie Brown: Stephanie.Brown@seattle.gov
- Workgroup website:
www.wsdot.wa.gov/Projects/SR520Bridge/6392workgroup.htm